



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE



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FEBRUARY 19, 2002

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HAMILTON, BROOK, SMITH & REYNOLDS PC  
LISA M. TREANNIE ESQ.  
530 VIRGINIA ROAD  
PO BOX 9133  
CONCORD, MA 01742-9133

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov



\*101928952A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/27/2001

REEL/FRAME: 012399/0020

NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

FREUND, CHRISTIAN

DOC DATE: 09/26/2001

ASSIGNOR:

WAGNER, GERHARD

DOC DATE: 09/18/2001

ASSIGNEE:

PRESIDENT AND FELLOWS OF HARVARD  
COLLEGE  
17 QUINCY STREET  
CAMBRIDGE, MASSACHUSETTS 02138

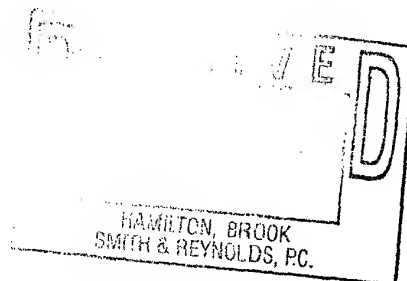
SERIAL NUMBER: 09873106

FILING DATE: 06/01/2001

PATENT NUMBER:

ISSUE DATE:

TARA WASHINGTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



01-02-2002

REC

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DEC 27 2001

12/27/01

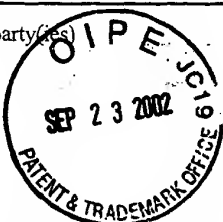


101928952

To the Honorable Commissioner of Patents and Trademarks

ached original documents or copy thereof.

## 1. Name of conveying party(ies)

Christian Freund  
Gerhard Wagner

## 2. Name and address of receiving party(ies)

Name: President and Fellows of Harvard College

Internal Address: \_\_\_\_\_

Street Address: 17 Quincy Street

City: Cambridge State: MA ZIP: 02138

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_

Execution Date: 9/26/01 and 9/18/01

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

09/873,106

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Lisa M. Treannie, Esq.

Internal Address: \_\_\_\_\_

Hamilton, Brook, Smith &amp; Reynolds, P.C.

Street Address: 530 Virginia Road, P.O. Box 9133

City: Concord State: MA ZIP: 01742-9133

## 6. Total number of applications and patents involved: [ 1 ]

7. Total Fee (37 C.F.R. 3.41)..... \$ 40.00

☒ Enclosed☒ Authorized to charge any deficiencies or credit any overpayment to deposit account☐ Authorized to be charged to deposit account

## 8. Deposit account number:

08-0380

(Attach duplicate copy of this page if paying by deposit account)

## DO NOT USE THIS SPACE

## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Linda M. Chinn

Name of Person Signing

Signature

November 16, 2001

Date

Total number of pages including cover sheet, attachments, and document: [ 7 ]

12/31/2001 6TOM11 00000179 09873106

01 FC:581

40.00 OP

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Multi-JointASSIGNMENT

WHEREAS, we, **Christian Freund and Gerhard Wagner**, together with co-inventors **Ellis L. Reinherz, Jing Li and Kazuhisa Nishizawa**, have invented a certain improvement in **Cloning and Characterization of a CD2 Binding Protein (CD2BP2)** described in an application for Letters Patent of the United States, the specification of which:

☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;

☒ was filed on **June 1, 2001** as Application No. **09/873,106**;

☐ was patented under U.S. Patent No. ☐ on ☐.

WHEREAS, **President and Fellows of Harvard College** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **17 Quincy Street, Cambridge, Massachusetts 02138-5701** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving

of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: \_\_\_\_\_

*Christian Freund*

Christian Freund

Date: 09/26/01

WITNESS:

*Stefanie Freund*  
(signature)

*Stefanie Freund*  
Name

*Scottweg 42*  
*14055 Berlin*

Address *GERMANY*

---

Inventor's Signature: \_\_\_\_\_  
Gerhard Wagner

Commonwealth  
of \_\_\_\_\_  
County of \_\_\_\_\_

Then personally appeared before me the above-named **Gerhard Wagner** and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2001.

(SEAL) \_\_\_\_\_ Notary Public  
\_\_\_\_\_  
(print name)  
My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

---

Multi-JointASSIGNMENT

WHEREAS, we, **Christian Freund and Gerhard Wagner**, together with co-inventors **Ellis L. Reinherz, Jing Li and Kazuhisa Nishizawa**, have invented a certain improvement in **Cloning and Characterization of a CD2 Binding Protein (CD2BP2)** described in an application for Letters Patent of the United States, the specification of which:

- ☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;
- ☒ was filed on **June 1, 2001** as Application No. **09/873,106**;
- ☐ was patented under U.S. Patent No. [ ] on [ ].

WHEREAS, **President and Fellows of Harvard College** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **17 Quincy Street, Cambridge, Massachusetts 02138-5701** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving

of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

---

---

Inventor's Signature: \_\_\_\_\_  
Christian Freund

Date: \_\_\_\_\_

WITNESS:

\_\_\_\_\_  
(signature)

\_\_\_\_\_  
Name

\_\_\_\_\_  
Address

---

---

Inventor's Signature: \_\_\_\_\_

Gerhard Wagner

Gerhard Wagner

Commonwealth

of Massachusetts

County of Suffolk

Then personally appeared before me the above-named **Gerhard Wagner** and acknowledged that he executed the foregoing instrument as his free act and deed this 18th day of September, 2001.

(SEAL)

Janet Maher

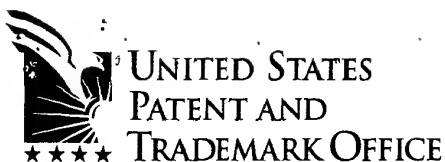
Notary Public

**JANET MAHER, Notary Public**  
**My Commission Expires May 19, 2006**

(print name)

My Commission expires 5 / 19 / 2006





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FEBRUARY 19, 2002

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HAMILTON, BROOK, SMITH & REYNOLDS, P.C.  
LISA M. TREANNIE, ESQ.  
530 VIRGINIA ROAD, P.O. BOX 9133  
CONCORD, MA 01742-9133



\*101928953A\*



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RECORDATION DATE: 12/27/2001

REEL/FRAME: 012399/0027  
NUMBER OF PAGES: 10

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

REINHERZ, ELLIS L.

DOC DATE: 09/05/2001

ASSIGNOR:

LI, JING

DOC DATE: 10/03/2001

ASSIGNOR:

NISHIZAWA, KAZUHIKA

DOC DATE: 10/01/2001

ASSIGNEE:

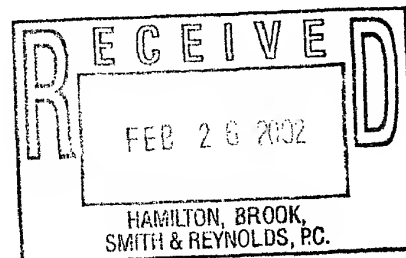
DANA-FARBER CANCER INSTITUTE  
44 BINNEY STREET  
BOSTON, MASSACHUSETTS 02115

SERIAL NUMBER: 09873106

FILING DATE: 06/01/2001

PATENT NUMBER:

ISSUE DATE:



012399/0027 PAGE 2

LAZENA MARTIN, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

01-02-2002

Docket No.: 1062.1021-004

12/27/01

REC



SHEET

DEC 27 2001

101928953

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies)

Ellis L. Reinherz  
Jing Li  
Kazuhisa Nishizawa



2. Name and address of receiving party(ies)

Name: Dana-Farber Cancer Institute

RECEIVED

Internal Address:

OCT 07 2002

TECH CENTER 1600/2900

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: 9/5/01, 10/3/01, 10/1/01 respectively

Street Address: 44 Binney Street

City: Boston State: MA ZIP: 02115

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/873,106

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Lisa M. Treannie, Esq.

Internal Address:

Hamilton, Brook, Smith & Reynolds, P.C.

Street Address: 530 Virginia Road, P.O. Box 9133

City: Concord State: MA ZIP: 01742-9133

6. Total number of applications and patents involved: [ 1 ]

7. Total Fee (37 C.F.R. 3.41)..... \$ 40.00

☒ Enclosed  
☒ Authorized to charge any deficiencies or credit any overpayment to deposit account  
☐ Authorized to be charged to deposit account

8. Deposit account number:

08-0380

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Linda M. Chinn

Name of Person Signing

*Linda M. Chinn*  
Signature

November 16, 2001  
Date

Total number of pages including cover sheet, attachments, and document: [ 10 ]

12/31/2001 GTON11 00000180 09873106

01 FC:581

40.00 OP

ASSIGNMENT

WHEREAS, we, **Ellis L. Reinherz, Jing Li and Kazuhisa Nishizawa**, together with co-inventors **Christian Freund and Gerhard Wagner**, have invented a certain improvement in **Cloning and Characterization of a CD2 Binding Protein (CD2BP2)** described in an application for Letters Patent of the United States, the specification of which:

☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;

☒ was filed on **June 1, 2001** as Application No. **09/873,106**;

☐ was patented under U.S. Patent No. ☐ on ☐.

WHEREAS, **Dana-Farber Cancer Institute** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **44 Binney Street, Boston, Massachusetts 02115** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: \_\_\_\_\_

Ellis L. Reinherz

Commonwealth

of MASSACHUSETTS

County of Suffolk

Then personally appeared before me the above-named **Ellis L. Reinherz** and acknowledged that he executed the foregoing instrument as his free act and deed this 5<sup>th</sup> day of September, 2001.

(SEAL)

Michael F. Murphy

Notary Public

Michael F. Murphy (print name)

My Commission expires

**MICHAEL F MURPHY**  
**MY COMMISSION EXPIRES**  
**SEPT. 13, 2007**

---

Inventor's Signature: \_\_\_\_\_

**Jing Li**

Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Jing Li** and acknowledged that she executed the foregoing instrument as her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2001.

(SEAL)

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

---

Inventor's Signature: \_\_\_\_\_

**Kazuhisa Nishizawa**

Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Kazuhisa Nishizawa** and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2001.

(SEAL)

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

---

ASSIGNMENT

WHEREAS, we, **Ellis L. Reinherz, Jing Li and Kazuhisa Nishizawa**, together with co-inventors **Christian Freund and Gerhard Wagner**, have invented a certain improvement in **Cloning and Characterization of a CD2 Binding Protein (CD2BP2)** described in an application for Letters Patent of the United States, the specification of which:

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☒ was filed on **June 1, 2001** as Application No. **09/873,106**;

☐ was patented under U.S. Patent No. ☐ on ☐.

WHEREAS, **Dana-Farber Cancer Institute, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **44 Binney Street, Boston, Massachusetts 02115** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

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IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

---

---

Inventor's Signature: \_\_\_\_\_

**Ellis L. Reinherz**

Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Ellis L. Reinherz** and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2001.

(SEAL)

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
(print name)

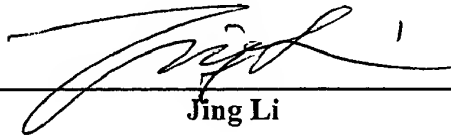
My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

---

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Inventor's Signature: \_\_\_\_\_

  
Jing Li

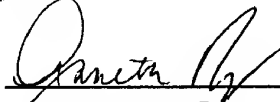
Commonwealth

of Massachusetts

County of Essex

Then personally appeared before me the above-named **Jing Li** and acknowledged that she executed the foregoing instrument as her free act and deed this 3<sup>rd</sup> day of October, 2001.

(SEAL)



Notary Public

ANNETTE RANDAZZA

(print name)

My Commission expires 7 / 23 / 2004

Inventor's Signature: \_\_\_\_\_

**Kazuhisa Nishizawa**

Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Kazuhisa Nishizawa** and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2001.

(SEAL)

\_\_\_\_\_

Notary Public

\_\_\_\_\_

(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

ASSIGNMENT

WHEREAS, we, **Ellis L. Reinherz, Jing Li and Kazuhisa Nishizawa**, together with co-inventors **Christian Freund and Gerhard Wagner**, have invented a certain improvement in **Cloning and Characterization of a CD2 Binding Protein (CD2BP2)** described in an application for Letters Patent of the United States, the specification of which:

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☒ was filed on **June 1, 2001** as Application No. **09/873,106**;

☐ was patented under U.S. Patent No. ☐ on ☐.

WHEREAS, **Dana-Farber Cancer Institute, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **44 Binney Street, Boston, Massachusetts 02115** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor Ellis L. Reinherz Date \_\_\_\_\_

Address \_\_\_\_\_

Witness \_\_\_\_\_

Address \_\_\_\_\_

Witness \_\_\_\_\_

Address \_\_\_\_\_

Inventor \_\_\_\_\_ Date \_\_\_\_\_  
Jing Li

Address \_\_\_\_\_  
\_\_\_\_\_

Witness \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

Witness \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

Inventor Kazuhisa Nishizawa Date October 1, 2001  
Kazuhisa Nishizawa

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